



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

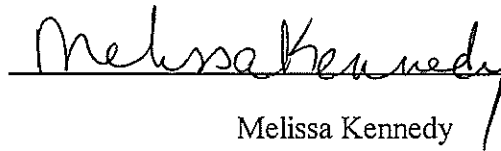
CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010572
CERTIFICATION DATE: August 22, 2013
DATE RECERTIFICATION DUE: February 18, 2014

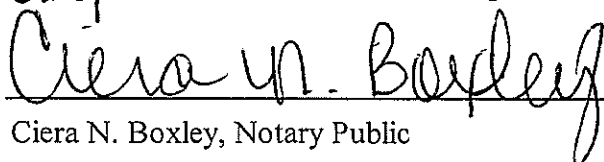
The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.


Melissa Kennedy

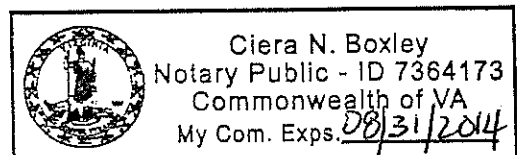
Section Supervisor, Breath Alcohol

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 3rd day of
September, 2013 by Melissa Kennedy


Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TLN



**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 8/22/2013**

HMS
1/28/13

Instrument Serial Number: 010572 **As of 22-Aug-13**

Maintenance Date	Certification Date	Technician Initials	Remarks
22-Aug-13	22-Aug-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
05-Mar-13	05-Mar-13	HMS (18910)	CERTIFIED
12-Sep-12	12-Sep-12	HMS (18910)	REPLACED MODEM PHONE CORD, CERTIFIED, REPLACED DRY GAS STANDARD.
27-Aug-12	26-Mar-12	DBH (21250)	RECONNECTED BREATH TUBE ELECTRICAL CONNECTOR.
26-Mar-12	26-Mar-12	SED (24178)	CERTIFIED. REPLACED DRY GAS STANDARD.
05-Oct-11	05-Oct-11	HMS (18910)	CERTIFIED
19-Apr-11	19-Apr-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
01-Nov-10	01-Nov-10	HMS (18910)	CALIBRATED AND CERTIFIED.
26-May-10	26-May-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
09-Dec-09	09-Dec-09	RJP (22428)	CERTIFIED
24-Jun-09	24-Jun-09	HMS (18910)	CALIBRATED AND CERTIFIED.
20-Mar-09	20-Mar-09	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
06-Jan-09	06-Jan-09	HMS (18910)	CERTIFIED.
10-Dec-08	10-Dec-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

INTOX EC/IR II
Quality Assurance Worksheet

AMS
NWK

Instrument Serial Number 010572 Worksheet Start Date 8/22/2013
Location Sussex County
Address 20212 Thornton Sq., Sussex, VA 23884
DFS Technician Heather Stanton License No. 18910

☐ Laboratory

☒ On-Site

Site Specifications

Yes

No

1 Secured Environment:

Location must not be accessible to the general public.

☒

☐

2 Environment free from contaminants

☒

☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒

☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒

☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒

☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒

☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒

☐

Old serial no.
E-Seek
Keyboard
Printer
UPS

New serial no.

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

50
2 pads

Maintenance (if any)

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010572

Certification Date 8/22/2013

Instrument Barometer (mm HG) 761

Reference Barometer (mm HG) 761

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.250	0.242	0.257	Sample 2	0.250
Precision		sample min	sample max	Sample 3	0.250
0.001		0.250	0.251		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.150	0.145	0.154	Sample 2	0.150
Precision		sample min	sample max	Sample 3	0.150
0		0.150	0.150		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG316301-04

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.100	0.097	0.103	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.099
0		0.099	0.099		

DFS Technician

Heath W. Stark

Date

8/22/13

Issuing Analyst

Melissa Kennedy
TLN

Date

8/27/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2

HMS
Wick

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010572 Test Number: 431

Test Date: 08/22/2013 Test Time: 09:12 EDT

Technician Initials: HMS

Dry Gas Target: 0.100

Lot Number: AG129004-12 Exp Date: 10/17/2013

Tank Pressure: 188 psi Barometric Pressure: 762 mmHg

Test	g/210L	Time
DIAG	Pass	09:13
BLK	0.000	09:13
CHK	0.099	09:14
BLK	0.000	09:15
CHK	0.099	09:16
BLK	0.000	09:17
CHK	0.099	09:18
BLK	0.000	09:19

Success

Standard Value (at sea level): 0.100 g/210L

Certification Status: Success

One point certification done prior to firmware/software upgrade, due to certification warning on display.

HMS
8/22/13



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

HMS
MSK

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 08/22/2013
TEST EQUIPMENT NUMBER 010572		

RESULTS: TIME SAMPLE TAKEN 09:28 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 22 Aug 2013 at 15:41

Handwritten initials/signature

Test Results

Instrument Serial Number 010572

Test # 000432 Subject Test

Test Location 1 Department of
Test Date 22 Aug 2013

Test Location 2 Forensic Science
Test Time 09:22
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 22 Aug 2013 End Time 09:29

Result Time 09:28

Result Date 22 Aug 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 09:22

Data Type BLK

Sample Value 0.000

Sample Time 09:23

Data Type CHK

Sample Value 0.099

Sample Time 09:24

Data Type BLK

Sample Value 0.000

Sample Time 09:25

Data Type SUBJ

Sample Value 0.000

Sample Time 09:26

Data Type BLK

Sample Value 0.000

Sample Time 09:26

Data Type SUBJ

Sample Value 0.000

Sample Time 09:28

Data Type BLK

Sample Value 0.000

Sample Time 09:29

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG129004-12

Standard Expiration Date 10/17/2013

Tank Pressure 183

Barometric Pressure 762 mmHg

Blow Sample Number 1 Blow Duration 3.55 sec

Blow Volume 1776 cc End-of-Blow Time 09:26

Blow Sample Number 2 Blow Duration 3.45 sec

Blow Volume 1796 cc End-of-Blow Time 09:28

Tamper Evident Stamp f9dc9225

Test Status Code 0

Test Status Success

HMB
NMB

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010572

System Date: 08/22/2013

System Time: 09:53 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

AMS
WLL

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010572 Test Number: 433

Test Date: 08/22/2013 Test Time: 09:56 EDT

Dry Gas Target: 0.100

Lot Number: 0651210013-06 Exp Date: 04/01/2014

Tank Pressure: 786 psi Barometric Pressure: 761 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	09:57
CAL	0.100	09:57

Test Status: *Success*

Calibration CRC: 8E7FA4DC

HMS
RSH

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010572 Test Number: 434

Test Date: 08/22/2013 Test Time: 10:00 EDT

Technician Initials: HMS

Dry Gas Target: 0.250

Lot Number: 0651225015-04 Exp Date: 04/01/2014

Tank Pressure: 100 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:00
BLK	0.000	10:01
CHK	0.251	10:02
BLK	0.000	10:03
CHK	0.250	10:04
BLK	0.000	10:06
CHK	0.250	10:06
BLK	0.000	10:08

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
NLS

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010572 Test Number: 435

Test Date: 08/22/2013 Test Time: 10:09 EDT

Technician Initials: HMS

Dry Gas Target: 0.150

Lot Number: 0771315013-04 Exp Date: 05/01/2015

Tank Pressure: 345 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:10
BLK	0.000	10:11
CHK	0.150	10:11
BLK	0.000	10:13
CHK	0.150	10:13
BLK	0.000	10:15
CHK	0.150	10:15
BLK	0.000	10:17

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

INTOX EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010572 Test Number: 436
Test Date: 08/22/2013 Test Time: 10:18 EDT

Technician Initials: HMS

Dry Gas Target: 0.080

Lot Number: 0651208012-04 Exp Date: 04/01/2014

Tank Pressure: 404 psi Barometric Pressure: 761 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:19
BLK	0.000	10:19
CHK	0.080	10:20
BLK	0.000	10:21
CHK	0.080	10:22
BLK	0.000	10:23
CHK	0.080	10:24
BLK	0.000	10:26

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
PWS

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010572 Test Number: 437

Test Date: 08/22/2013 Test Time: 10:27 EDT

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0651202011-03 Exp Date: 04/01/2014

Tank Pressure: 424 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:27
BLK	0.000	10:28
CHK	0.019	10:29
BLK	0.000	10:30
CHK	0.019	10:31
BLK	0.000	10:32
CHK	0.019	10:33
BLK	0.000	10:34

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

AMS

NSL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010572 Test Number: 438

Test Date: 08/22/2013 Test Time: 10:37 EDT

Dry Gas Target: 0.250

Lot Number: AG205404-02 Exp Date: 02/23/2014

Tank Pressure: 198 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	10:37
CHK	0.252	10:38
BLK	0.000	10:40
CHK	0.252	10:41
BLK	0.000	10:42
CHK	0.251	10:43

Test Status: Success

Calibration CRC: 8E7FA4DC

ANS
MSK

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010572 Test Number: 439

Test Date: 08/22/2013 Test Time: 10:47 EDT

Dry Gas Target: 0.100

Lot Number: AG316301-04 Exp Date: 06/12/2015

Tank Pressure: 1120 psi Barometric Pressure: 761 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:48
CHK	0.099	10:48
BLK	0.000	10:50
CHK	0.099	10:51
BLK	0.000	10:52
CHK	0.099	10:53

Test Status: *Success*

Calibration CRC: 8E7FA4DC



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

Handwritten initials: *thos*
msk

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 08/22/2013
TEST EQUIPMENT NUMBER 010572		

RESULTS: TIME SAMPLE TAKEN 11:01 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 22 Aug 2013 at 15:44

HB
MSK

Test Results

Instrument Serial Number 010572

Test # 000440 Subject Test

Test Location 1 Department of
Test Date 22 Aug 2013

Test Location 2 Forensic Science
Test Time 10:54
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 22 Aug 2013 End Time 11:02

Result Time 11:01

Result Date 22 Aug 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 10:55

Data Type BLK

Sample Value 0.000

Sample Time 10:56

Data Type CHK

Sample Value 0.099

Sample Time 10:56

Data Type BLK

Sample Value 0.000

Sample Time 10:58

Data Type SUBJ

Sample Value 0.000

Sample Time 10:59

Data Type BLK

Sample Value 0.000

Sample Time 11:00

Data Type SUBJ

Sample Value 0.000

Sample Time 11:01

Data Type BLK

Sample Value 0.000

Sample Time 11:02

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG316301-04

Standard Expiration Date 06/12/2015

Tank Pressure 1120

Barometric Pressure 761 mmHg

Blow Sample Number 1 Blow Duration 3.45 sec

Blow Volume 1751 cc

End-of-Blow Time 10:59

Blow Sample Number 2 Blow Duration 3.32 sec

Blow Volume 1747 cc

End-of-Blow Time 11:01

Tamper Evident Stamp fdcde249

Test Status Code 0

Test Status Success